IBM DATA PROCESSING

IER 257-71

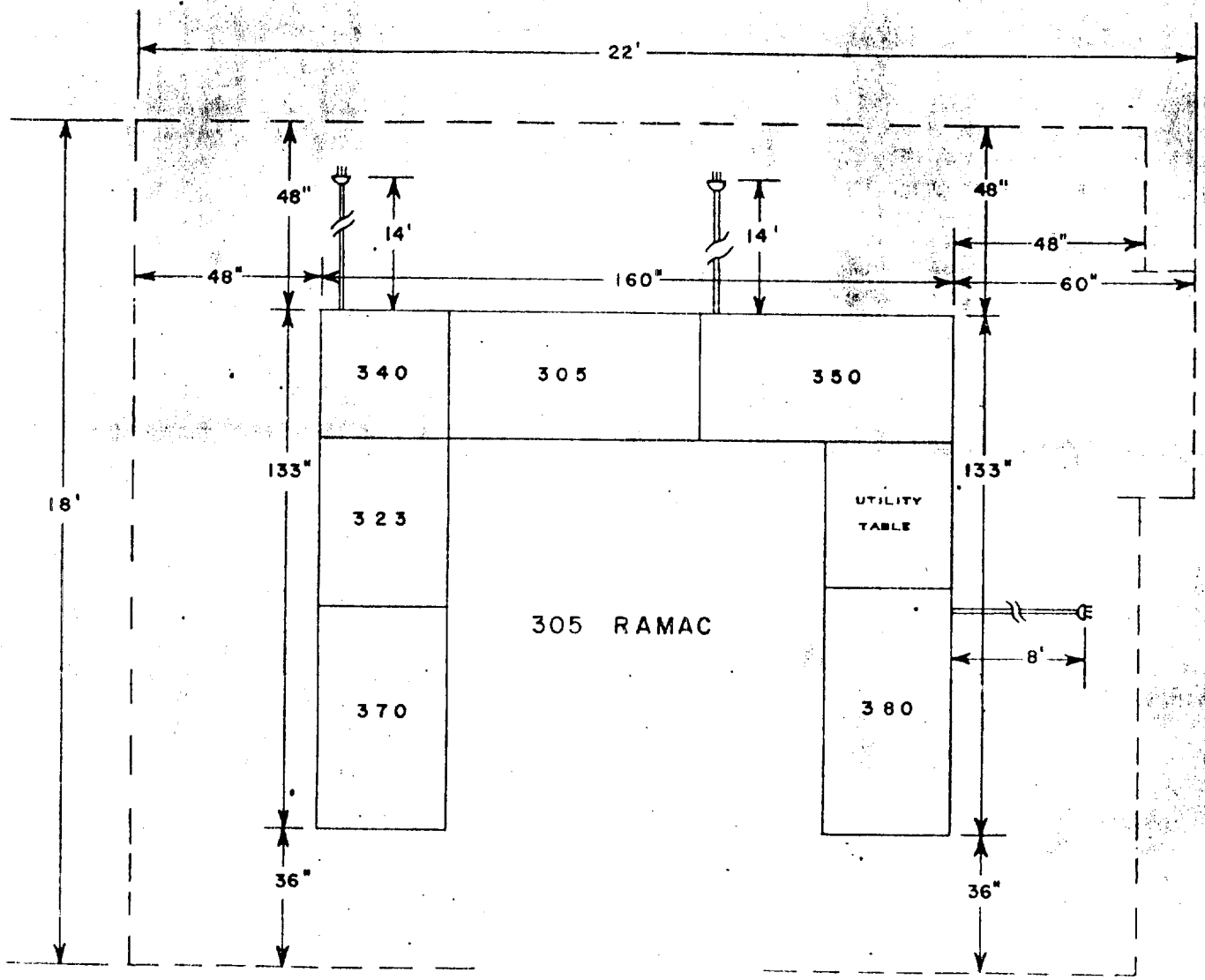
DATE: 6/13/57

FROM: Director of Marketing Services

IBM 305 RAMAC
PRELIMINARY INSTALLATION DATA

The IBM 305 RAMAC Pre-Installation Manual will be ready for distribution in a few months. In the meantime, use the information in this letter to review the physical planning status of each 305 RAMAC on order. Be sure each customer's installation area will be ready to accept his system.

Approximate Floor Space Required



WHQ EXECS. & DEPT. MGRS.	X	MGRS. OF TECH. SERVICES	X	SALESMEN	X	BRANCH MANAGERS	X
PLANT & LAB. EXECS.	X	SPECIAL REP'S.	X	ASST. SALESMEN	X		
REGIONAL CONTROLLERS	X	FIELD TECH. REPS.	X	SALES TRAINEES		OFFICE MANAGERS	X
DISTRICT MGRS.	X	APPLIED SCIENCE REPS.	X	MGRS. OF CE	X		

2. Weight and Dimensions *

Unit	Weight in lbs.	Length in Inches	Width in Inches	Height in Inches
305 Processing Unit	1450	62	32	72
323 Punch	670	44	32	51
340 Power Supply	2000	32	32	72
350 Disk Storage	1730	62	32	72
370 Printer	1010	57	32	42
380 Console	850	62	32	47
Utility Table	120	39	32	29

*Dimensions are to the nearest inch.

3. Power Requirements

The 305 RAMAC will operate from either a 208 or 230 volt, 60 cycle, 3 phase power source. The source power must remain within a plus or minus 10% of the rated voltage (either 208 or 230 volts).

Power is supplied to the system by two power cords, one to the 340 Power Supply, and one to the 350 Disk Storage.

Approximate KVA and Current.

Unit	KVA	208 Volts	230 Volts
340	17.3	48 amperes	44 amperes
350	2.5	7 amperes	7 amperes

There is also an electric clock on the Console that requires a 115 volt AC line and outlet.

4. Power Cord Plugs and Receptacles

Unit	Service Phase	Size Amp	Wire	Plug Connector Manufacturer	Part #	Wall Receptacle Manufacturer and Part #	
340	3	60	4	Hubbell	7302	Hubbell	7301
350	3	30	4	Hubbell	21415	Hubbell	20403

The customer must install either the above receptacles or their equivalent.

5. Approximate Heat Dissipation and Air Flow

Unit	Heat Dissipation (BTU/hour)	Air Moved by Blowers (CFM)	Maximum Allowable Air Temp. Rise (F)
305	37,600	1,300	30 degrees
323	1,400	No blowers	30 degrees
340	4,000	No blowers	30 degrees
350	9,000	No blowers	30 degrees
370	3,000	No blowers	30 degrees
380	3,000	No blowers	30 degrees
Total	58,000 BTU	1,300 CFM	

6. Operating Requirements

The temperature of the air entering the RAMAC must be maintained between 50 and 90 degrees Fahrenheit. The humidity of the air in the RAMAC area must be maintained under 80% relative. The humidity limitations should not be exceeded during either operational or non-operational time.

Before final arrangements are made, check with your Regional Physical Planning Engineer to be certain that none of the information provided above has been changed.

R. T. Samuel

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